

IN THE CLAIMS:

Please cancel claims 2 - 6 and amend claim 1 to read as follows:

1. (Currently Amended) A ring binder mechanism for binding the sheets of loose leaves, the mechanism comprising:

an elongated spring plate that extends longitudinally and, in profile, has a shallow U-shaped configuration and opposite edges which extend substantially toward each other, said spring plate having at least one hole with a bushing therein for attachment of the ring binder mechanism to a file folder;

two parallel elongate hinge plates supported by said spring plate for pivotal toggle motion relative to the spring plate about a central hinge line, the hinge plates being mounted in parallel and retained by the opposite edges of the spring plate;

a plurality of rings for clasping said sheets of loose leaves, each of the rings comprising a pair of half ring elements mounted on said hinge plates, with one half ring element of each pair being attached to one of the hinge plates and the other half ring element of the pair attached to the other hinge plate, with the two half ring elements of

each pair in substantial alignment, the pairs of half ring elements being movable with said hinge plates to toggle between an open position and a closed position and forming a substantially annular shape when in the close closed position; and

wherein free ends of the half ring of each pair elements form a nesting configuration when in the closed position, the free end of one half ring element of each pair having a centrally concave nesting portion and the free end of the other half ring element of the pair having a centrally convex nesting portion, said concave portion and said convex portion being symmetrical about an axis line of the respective ring elements of the pair, so that when the pair of half ring elements are in the closed condition, the free ends of the half ring elements are aligned to each other and form a surface single line contact-engagement so that the convex nesting portion and the concave nesting portion are nested together tightly; and

wherein the nesting portion with a centrally convex portion is formed in a free end of one half ring element of said pair of half ring elements, and the nesting portion with a centrally concave portion is formed in a free end of the other engaging half ring element, said centrally convex nesting portion of one half ring element of each pair has an

annular external conical surface which extends directly
~~tefrom~~ a first cylindrical outer surface of a cylindrical
rod forming the respective one half ring elements element to
a second cylindrical outer surface of a cylindrical end
portion thereof;

wherein said centrally concave nesting portion has a
centrally cylindrical conical hole that is formed from its
external end surface in the end of the other half ring
element of each pair and an internal conical surface
extending between a third cylindrical inner surface of said
cylindrical hole toward a fourth cylindrical outer surface
of a cylindrical rod forming the respective other half ring
element; and

wherein a maximum diameter of the internal conical hole
surface on the external end surface is smaller than that of
a said cylindrical rod forming the respective other half
ring element, a cone angle of said internal conical hole
surface is smaller than that of the annular external conical
surface of the centrally protruding outwards nesting
portion, such that when the half ring elements are in the
closed condition, a connecting portion between the external
end fourth cylindrical outer surface of the concave nesting
portion and the internal conical hole surface thereof
engages with the annular external conical surface of the

convex nesting portion in a single line contact such that
the end portion of the convex nesting portion extending past
the line contact does not engage with the concave nesting
portion and thereby causes causing the convex nesting
portion to nest centrally in the concave nesting portion.

2. - 9. (Canceled)

10. (Original) A ring binder mechanism according to
claim 1, wherein two, three, four or more rings are provided
in said ring binder mechanism.

11. (Previously Presented) A ring binder mechanism
according to claim 1, wherein said rings are made of metal
material.

12. (Original) A ring binder mechanism according to
claim 1, wherein said rings are made of plastic material.

13. (Original) A ring binder mechanism according to
claim 1, wherein said rings are formed integrally with said
hinge plates.

14. - 22. (Canceled).

23. (Previously Presented) A ring binder mechanism according to claim 1, wherein the pair of half ring elements of said ring binder mechanism form a circular ring.

24. (Previously Presented) A ring binder mechanism according to claim 1, wherein one half ring element of said pair of half ring elements of said ring binder mechanism has a straight side.